Protein skimmer user manual

Product's name: External type protein skimmer E 5
Valid aquarium: 300-500 L
Pump model: BUBBLE-MAGUS ROCK SP2000

Thank you for using BUBBLE – MAGUS products, please read User manual carefully before use.
Contain: A suit of collection cup, a suit of skimmer body, a suit of drain water system, one SP2000 water pump, one air intake tube, one air intake kit & user manual
Installation:

1. Install pump to body and screw down.
2. Put collection cup on the neck of skimmer body.
3. Hang the skimmer on the side or back of your tank and tighten the nylon screw until the skimmer is secured to the side of the tank.

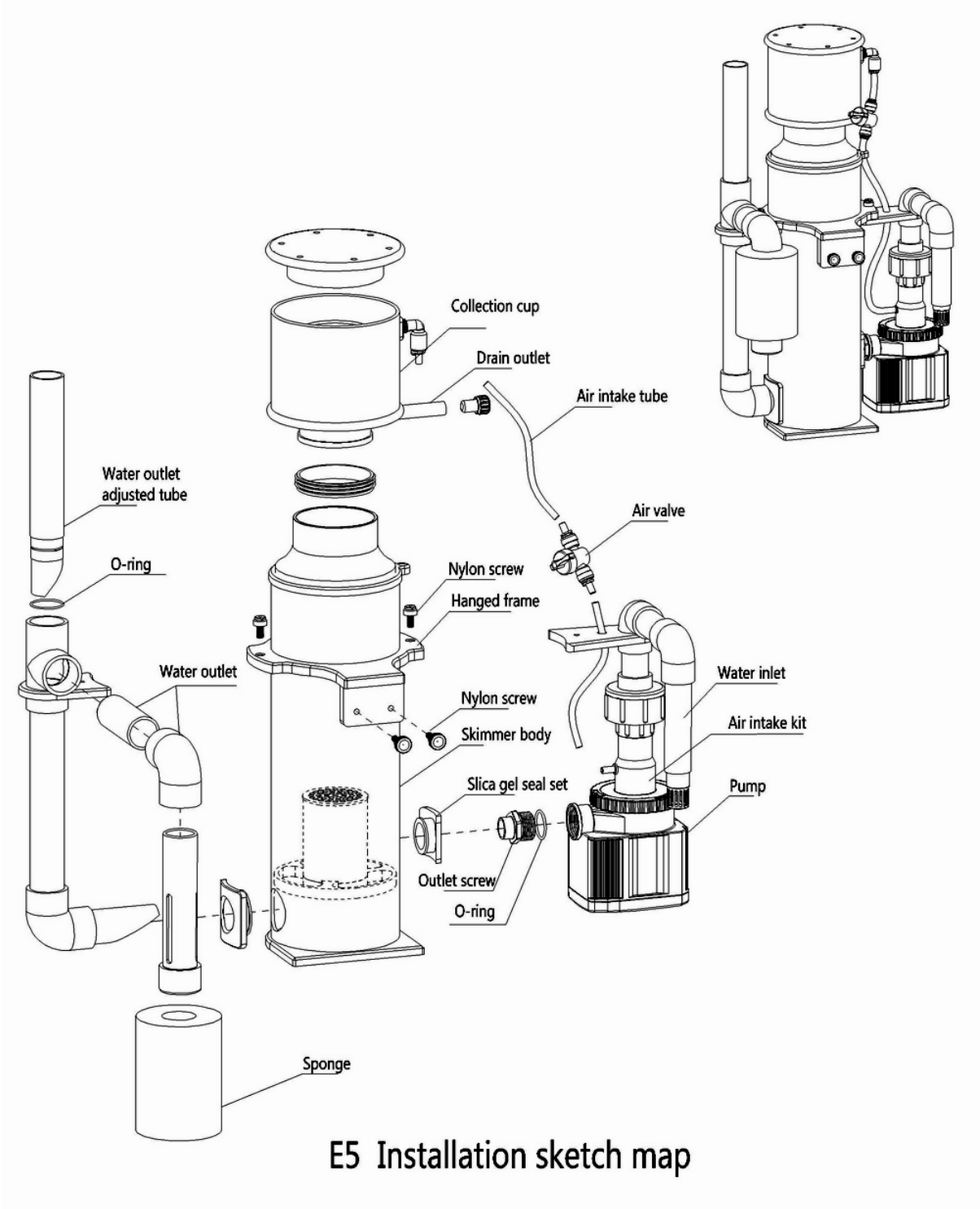
Use first time:

1. **Rotary water outlet adjusted tube, resorted to fully open outlet.**
2. **Let aquarium water into body till water level equal with inlet/outlet pipe.**
3. **Close air valve and turn on pump. The aquarium water will into body slowly, and then open air valve and turning the water output adjusted tube to suitable position when water level in body closes to the neck (red circle) of skimmer. The skimmer will work normal.**

Normal use

The skimmer start-up and then stop pump work, there are some water on the body and pipes. The skimmer will be work immediately when you restart to pump and needn't operate as used first time. But if body and pipe are empty as without water, we still have to operate as used first time.
Notice:

1. **Please must open air valve after pump work, otherwise the water will overflow out.**
2. Please make sure full water in the water pump before start it, else it will be difficult to start up.
3. If installation is correct, it should appear much bubble quickly when pump start up. If no bubble or pump makes a noise or strenuous shake, please stop and restart up. If it can't solve the problem, please contact dealer or our technology person.
4. Strictly prohibit pump operate without water.
5. Every product tested before leaving factory, so some water blob maybe leave on it. It's not used vestige and wouldn't affect use.
6. Just start to use a few days its result maybe is no very good, this is a normal phenomenon. After a few days it can be normal working, if washing completely skimmer inside, this time will be reduced.
7. Please adjust bubble level according to aquaria's pollute. Don't adjust water level too high avoid water quality fluctuate cause much water effused.
8. Please wash collection cup at the fixed date, if sludge heaped inside the collection neck it will affect used result. Suggest cleaning skimmer body and pump every one or two month, don't use chemical to clean protein skimmer.
9. **The bracket position should be 5-8cm from water surface**.



E5 Installation sketch map